

RUTH GRACE WONG

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EDUCATION

Masters of Science	Computational Biochemistry, University of Western Ontario expected to graduate in 2015
Bachelor of Medical Science	Computational Biochemistry, University of Western Ontario Dean's Honors List, Western Gold Medal, 2014

SKILLS

Programming and Scripting	Java, R, Perl, Python, MatLab, Bash, Pascal, JavaScript, LaTeX
Relevant Courses	Data Structures and Algorithms, Intro to Software Engineering Software Tools and Systems Programming, Discrete Math Analysis of Algorithms

PROJECTS

MedSavant pathway view	Displays biological processes affected by genetic variants. Project hosted by Google Summer of Code.
Guava	Genomic, User-Accessible Variant Annotation. Scalable, secure, open source API. Hack the North winner.

EXPERIENCE

Bioinformatics Masters Candidate - Gloor Lab, University of Western Ontario
January 2013 - present

- Conducting research to examine gut microbiota and the effectiveness of bariatric surgery.
- Wrote undergrad thesis on characterization of vaginal microbiomes with bacteria BVAB1.

RezNet Coordinator - University of Western Ontario
September 2011 - present

- Provided internet support to students throughout the year. Involved in hiring and training.

Summer Lab Assistant - Egan Lab, SickKids Hospital, University of Toronto
October 2009 - August 2012

- Conducted experiments involving mouse autopsies, sequencing, and tumor classification.
- Co-authored paper published in Cancer Research.

Research Assistant - Grahn Lab and Pirouz Lab, University of Western Ontario
October 2011 - April 2013

- Wrote E-Basic script in E-Prime to research gambling, music, and prosocial behavior
- Generated stimuli in MatLab, wrote E-basic script for user-conditioned experiments

ACM International Collegiate Programming Contest - University of Western Ontario
September 2010 - December 2013

- Competed from 2010 to 2013, coding in Java. Organized training and recruitment.